

Special Issue

Interactive Manipulation of Mobile Manipulators

Message from the Guest Editors

We invite submissions on AI and robotics for mobile manipulator systems, covering scientific foundations, applications, and analysis. Originally, mobility and manipulation were separate research fields, but modern robotics demands integrated solutions for human-robot collaboration. Advances in hardware include wheeled, legged (biped/quadruped), and hybrid robots for dynamic environments, alongside collaborative manipulators. Software innovations leverage model-based and data-driven approaches for coordination, environment perception, and safe human interaction. Applications span space, ocean, and industrial settings. We welcome contributions on novel algorithms, system integration, and real-world deployments. Join us in advancing interactive mobile manipulation!

Guest Editors

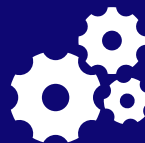
Prof. Dr. Qiang Li

Dr. Huibin Cao

Dr. Xiang Dong

Deadline for manuscript submissions

31 December 2025



Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



mdpi.com/si/175806

Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)





Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)



About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE - Electromechatronic Systems Research Centre, University of
Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1
(Control and Optimization)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).